



## Department of Energy

Idaho Operations Office  
850 Energy Drive  
Idaho Falls, Idaho 83401-1563

October 1, 1999

Mr. Wayne Pierre, Team Leader  
Environmental Cleanup Office  
U.S. Environmental Protection Agency  
Region X  
1200 Sixth Avenue  
Seattle, Washington 98101

Mr. Dean Nygard, Bureau Chief  
Remediation Bureau  
Idaho Department of Health & Welfare  
Division of Environmental Quality  
1410 N. Hilton  
Boise, Idaho 83706

SUBJECT: Transmittal of Limitation and Validation (L&V) Report Numbers  
4MQ37501VG, 4MQ37701VF, 4MQ37501NH, 4MQ37701CI, 4MQ37501CL,  
4MQ37701NH, 4MQ3770IA1, 4MQ3750IF3, 4MQ3440IF3, 4MQ3750LN2, AND  
4MQ3770IN2 For Operable Unit (OU) 4-12 Post Record Of Decision (ROD)  
Monitoring – (OPE-ER-140-99)

Dear Mr. Pierre & Mr. Nygard:

Enclosed are copies of the L&V reports for samples collected from 11 groundwater monitoring wells for the OU 4-12 Post ROD monitoring. A review of the data shows that all reported constituents were below Safe Drinking Water Maximum Contaminant Levels (MCL) except for the following compounds:

- Nitrate: CFA-MON-002 - The nitrate concentration in CFA-MON-002 was reported at 19.2 mg-N/L (milligrams of nitrate as nitrogen per liter). This value is elevated slightly with respect to the April 1998 concentration of 16.3 mg-N/L but the overall concentration in the well shows a downward trend. The average concentration in CFA-MON-002 is 20 mg-N/L relative to the MCL of 10 mg-N/L.
- CFA-MON-003 - The nitrate concentration in CFA-MON-003 was 9.9 mg-N/L, slightly below the MCL.
- Lead: CFA-MON-003 - The reported lead value of 19.6 ug/L was very near the 19.7 ug/L detected in the April 1998 sampling round. These concentrations are only slightly above the 15 ug/L tap water action level for public water suppliers.

L172-08 - A lead concentration of 20.1 ug/L was reported in LF2-08. This number is anomalous with respect to the average concentration of 3 ug/L in LF2-08 reported for the 2-year period from 1996 through 1998.

CFA-MON-001 - Lead was also reported at a concentration of 26.9 ug/L in CFA-MON-001. This value is also anomalous relative to the 2-year average concentration of 7.7 ug/L.

- Cadmium: CFA-MON-001 - Cadmium was reported at a concentration of 9.5 ug/L versus the MCL of 5 ug/L in CFA-MON-001. The average cadmium level reported in CFA-MON001 from 1996 through 1998 was 0.4 ug/L.

It should be noted that several compounds in CFA-MON-001 were reported at levels approximately an order of magnitude higher than their historical average concentration; the laboratory that conducted the analyses has been contacted to determine if there may have been a dilution error in the inorganic analyses from CFA-MON-001.

If you have any questions or comments regarding this document, please contact Carol Hathaway at (208) 526-4049 or myself at (208) 526-4392.

Sincerely,



Kathleen E. Hain, Manager  
Environmental Restoration Program

Enclosures

cc: K. Rose, EPA, 1200 Sixth Avenue, Seattle, WA 98101; 2 copies  
C. Cody, IDHW DEQ; 2 copies